

Amendments to the Specification:

Please replace the paragraph, beginning on page 4, line 11, with the following rewritten paragraph:

On the other hand, the physical structure ~~o~~of the Internet is perpetually changing. That is, the connection or disconnection to or from the network is occurring continually in some portions of the world or a route interconnecting the same points is changing dynamically with, e.g., malfunctions of the physical links or routers. Of these changes, those pertinent to address management shown in Fig. 13 are classified into the following four types: